

02-27-02 10/069809  
JC10 Rec'd PCT/PTO 25 FEB 2002 PCT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this paper and the documents and/or fees referred to as attached therein are being deposited with the United States Postal Service on February 25, 2002 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR §1.10, Mailing Label Number EL 937779147, addressed to the Commissioner for Patents, Washington, DC 20231.

Attorney Docket No.: PRINP003

First Named Inventor: SOHN.

Sunshine Noriega  
Sunshine Noriega



**TRANSMITTAL LETTER FOR A PCT INTERNATIONAL APPLICATION ENTERING THE NATIONAL STAGE IN THE U.S. AS A DESIGNATED or ELECTED OFFICE UNDER 35 USC 371**

Commissioner for Patents  
Box PCT  
Attention: DO/EO  
Washington, DC 20231

Transmitted herewith are the papers required to enter the national stage in the U.S. as a designated office/elected office for the following PCT international patent application:

**INTERNATIONAL APPLICATION NUMBER: PCT/US00/23652**

**Int'l Filing Date: 28 August 2000**

**1st Priority Date: 26 August 1999**

**Inventor(s): Lydia Lee Sohn; Omar A. Saleh, James Bradford Knight; Dan Notterman; and Laura F. Landweber**

**For: Microfluidic and Nanofluidic Electronic Devices for Detecting Changes in Capacitance of Fluids and Methods of Using**

☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f))

The United States Patent Office is: (select one)

☐ A Designated Office (No Demand was filed - See 37 CFR 1.494)

☒ An Elected Office (A Demand for Preliminary Examination was Filed - See 37 CFR 1.495)

Enclosures:

☒ A copy of the international application (if this line is not checked, the international application was previously communicated by the International Bureau or the international application was originally filed in the U.S. PTO).

☐ An English Translation of the International Application

☐ A Combined Declaration and Power of Attorney

☐ A copy of amendments made under PCT Article 19

☐ A translation of amendments made under PCT Article 19

☐ A translation of amendments made under PCT Article 34 (annexes to the international preliminary examination report)

☐ A copy of the amendments made under PCT Article 34 (annexes to the international preliminary examination report)

☐ Information Disclosure Statement with Form 1449 and cited references

- ☐ An Assignment of the Invention to:  
(with \$40.00 recordal fee)
- ☐ A Preliminary Amendment
- ☒ A copy of the International Search Report
- ☐ A copy of the Preliminary Examination Report
- ☐

Fee Calculation:

|                                     |   |                         |
|-------------------------------------|---|-------------------------|
| <input type="checkbox"/>            | Applicant is entitled to Small Entity Status under 37 C.F.R. §1.27.   |                         |
| <input checked="" type="checkbox"/> | <b>BASIC FEE</b>  | <b>\$710.00</b>         |
|                                     | (IPEA-U.S. \$710/355; ISA-U.S. \$740/370; PTO not ISA or IPEA \$1040/520;<br>U.S. IPEA all claims meet 33(2)-(4) \$100/50; File w/ EPO or JPO search report \$890/445;) |                         |
| <input type="checkbox"/>            | Surcharge for filing a late oath or declaration (\$130/65)  | \$                      |
| <input type="checkbox"/>            | Surcharge for filing a late translation (\$130)   | \$                      |
| <input type="checkbox"/>            | Assignment recordal fee (\$40)  | \$                      |
| <input type="checkbox"/>            | Multiple dependent claims (\$280/140)   | \$                      |
| <input checked="" type="checkbox"/> | Excess claims - see calculation below   | \$                      |
|                                     | Total Claims: 70 - 20 = 50 X \$18/9 claim =   | \$900.00                |
|                                     | Independent Claims: 10 - 3 = 7 X \$84/42 ind. claim =   | \$588.00                |
|                                     | Excess Claim Total  | \$1488.00               |
|                                     | <b>TOTAL FEES</b>   | <b><u>\$2198.00</u></b> |

☒ Check No. 5350 in the amount of \$2198.00 is enclosed cover the filing fees (including the basic national fee under 37 CFR 1.492(a)) as calculated above.

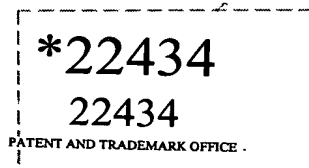
☒ The Commissioner is authorized to charge any fees beyond the amount enclosed which may be required, or to credit any overpayment, to Deposit Account No. 500388 (Order No. PRINP003).

General Authorization for Petition for Extension of Time (37 CFR §1.136)

☒ Applicants hereby make and generally authorize any Petitions for Extensions of Time as may be needed for any subsequent filings. The Commissioner is also authorized to charge any extension fees under 37 CFR §1.17 as may be needed to Deposit Account No. 500388 (Order No. PRINP003).

☒ Please send correspondence to the following address:

**Customer Number 022434**



Date: Feb. 25, 2002

Jeffrey K. Weaver  
Registration No. 31,314